

STEREO MOC Status Report
Time Period: 2013:035 - 2013:041

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 036, during the DSS-63 track, turbo decoder lock was lost briefly at 0739z. This anomaly resulted in the loss of 55 frames of SSR data. See DR #N108624 for more information.
- On day 037, during the DSS-15 track, turbo decoder lock was lost briefly at 1530z. This anomaly resulted in the loss of one frame of SSR data. See DR #N108626 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 035, IMPACT conducted real-time commanding at 1722z to reduce the LET telemetry packet rate from 16 to 7 packets per minute during sun quiet periods.
- On day 036, the first connectivity test was conducted with ESA DSS-84 (Malargue, Argentina). The MOC could not perform the SLE Command BINDs with equipment chains 2 and 3 because of a missing route of the DSN IP addresses for DSS-84 on the Goddard network. DSN Data Control successfully performed SLE telemetry BINDs with Chains 1, 2, and 3.

- On day 040, the SSR science partitions filled as follows:

SWAVES (Part 13) reached 100% full at 1421z for 2.6 hours.
SWAVES (Part 13) reached 100% full at 1931z for 0.8 hours.

The primary cause was the accumulated shortage of track time throughout the week.

- On day 041, the STEREO ESA tracks were put on hold pending an agreement by NASA and ESA. The suspension started with the ESA tracks on Sunday, February 10, 2013, through Sunday February 17th (Week 6-7). Each week, if the approval to proceed is not received by COB Wednesday, the next weeks ESA tracks will be canceled.

- The average daily SSR playback volume for Ahead was 4.2 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 039, during the DSS-32 (ESA) support, the command bind was not established for the entire track because the MOC ground system was configured to command on equipment chain 1, but the station was configured for chain 2.

2. The following spacecraft/instrument events occurred during this week:

- On day 036, the first connectivity test was conducted with ESA DSS-84 (Malargue, Argentina). The MOC could not perform the SLE Command BINDs with equipment chains 2 and 3 because of a missing route of the DSN IP addresses for DSS-84 on the Goddard network. DSN Data Control successfully performed SLE telemetry BINDs with Chains 2 and 3.
- On day 038, IMPACT conducted real-time commanding at 1644z to reduce the LET telemetry packet rate from 16 to 7 packets per minute during sun quiet periods.
- On day 038, the spacecraft space weather turbo 1/6 encoding test with the APL 18 meter antenna was conducted successfully at 1830z through 2030z.
- On day 041, the STEREO ESA tracks were put on hold pending an agreement by NASA and ESA. The suspension started with the ESA tracks on Sunday, February 10, 2013, through Sunday February 17th (Week 6-7). Each week, if the approval to proceed is not received by COB Wednesday, the next weeks ESA tracks will be canceled.
- The average daily SSR playback volume for Behind was 3.7 Gbits during this week.